

Patent Abstracts of Japan

PUBLICATION NUMBER : 58121305
 PUBLICATION DATE : 19-07-83

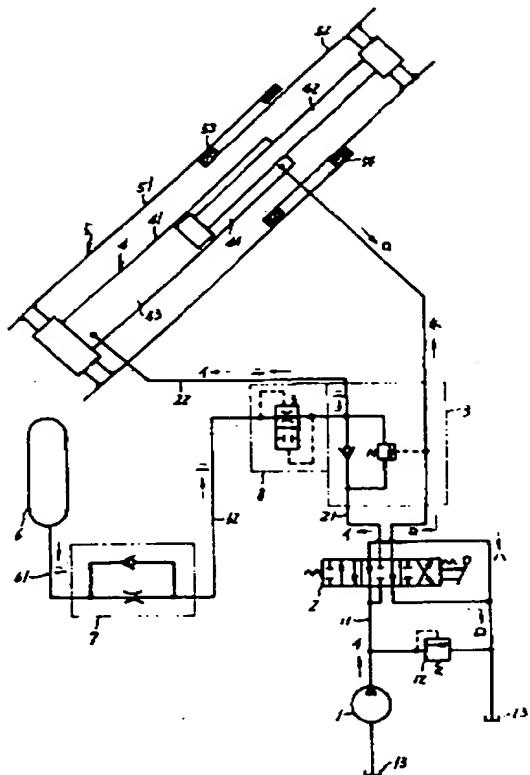
APPLICATION DATE : 11-01-82
 APPLICATION NUMBER : 57002935

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INT.CL. : F15B 11/08

TITLE : HYDRAULIC CIRCUIT FOR
 MAINTAINING EXPANSION AND
 CONTRACTION OF HYDRAULIC
 CYLINDER



ABSTRACT : PURPOSE: To maintain the state of stoppage of the hydraulic cylinder even when pressure in an oil chamber drops by connecting an accumulator to the circuit at the maintenance side at the downstream of a counterbalance valve through an emergency valve and a slow return check valve.

CONSTITUTION: When the operation of an expansion cylinder 4 is stopped and pressure in an oil chamber 43 at the push side is made lower than initial pressure P_1 just after the cylinder is stopped by the shrinkage of pressure oil due to the drop of oil temperature and inevitable oil leakage and the like, the emergency interrupting valve 8 is changed over instantaneously, pressure oil accumulated into the accumulator 6 is introduced in the direction of the arrow (d), and pressure in the oil chamber 43 at the push side is corrected to pressure corresponding to pressure P_H accumulated into the accumulator 6.

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